ARJO

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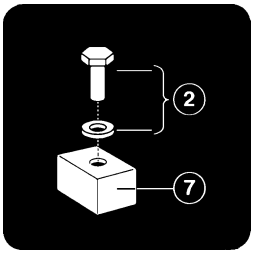
Opera™

Parts List



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Introduction

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Product names are a trademark of the ARJO Group.

The vertical and horizontal lines printed in the margins adjacent to the text/illustrations in these instructions are for ARJO use only and should be disregarded by the reader.

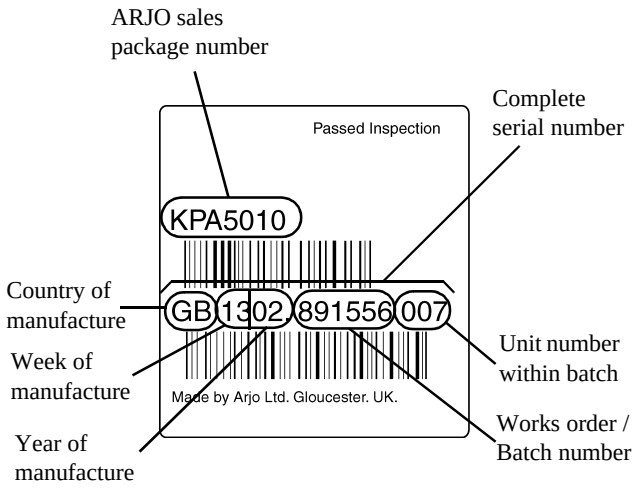
Some of the information contained in these instructions may become outdated, due to improvements made to the product in the future. If you have any questions regarding these instructions or your lifter, please contact ARJO or their approved distributor.

When ordering spare parts it may be necessary to quote the main lifter serial number this number is to be found on the 'bar code' label.

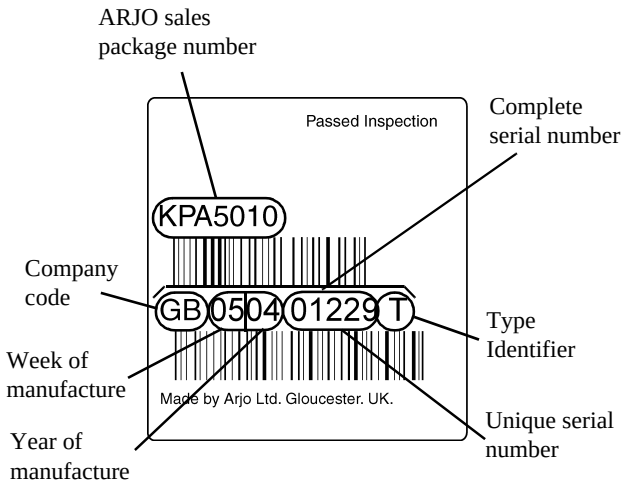
The date of manufacture is shown in the first 6 digits of the serial number. On machines with 15 digit serial numbers the date is shown as e.g. GB1302 981556 007. (GB = country of manufacture, 13 = 13th week of that year and 02= year 2002), the remaining digits, are the machine identification number.

From Feburary 2004 the barcode is of the new 12 digit format. This breaks down as follows. The first two digits are the manufacturers code, where GB = Arjo Gloucester and 88 = Pertinax. The next four digits are the week and year, where 0504 = week 5 and year 2004. The next five digits are a unique sequence of numbers. And the last digit identifies the type of product, where T = Top level component (e.g. the whole lifter), 1 = Modular component, and 8 = Slings.

Serial Number Label: Bar code type from November 1994 onwards.



Serial Number Label: Bar code type from Feburary 2004 onwards.



Note: Bar code labels shown are only typical and not specific to this product.

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A - Mast, Actuator, Console & Back Plate Assembly

Note: Always quote Serial number of lifter, and specify Quantity, Part Number, description and colour (if applicable) when ordering spares.
Note: ** in listed part number refers to country code
Note: .XX in listed part number refers to colour code suffix
Key to colour suffix:. 04 - White, .06 - Beige, .11 - Lilac, .16 - Sapphire blue, .20 - Grey, .21 - Dark Green, .23 - Yellow, .25 - bright Green

Item	Part Number	Qty	Description
1	KPX02270.20	1	Inner Mast
2	KPX00150.20	1	Outer Mast
3	KPX01470.0	1	Lower Bearing - Rear
4	KPX00050.0	1	Actuator (includes item 29, 69, 70)
5	KPX01560.20	1	Wind Down Tool
6	KPX00300.20	1	Top Cap
7	KPX00500.0	1	Upper Bearing -Rear
8	KPX00480.0	1	Upper Bearing - Front
9	KPX00070.0	1	Inner Mast Top Casting
10	KPX00100.0	1	Spring - Pivot Pin
11	MX04200.0	4	Circlip 8mm Diameter
12	KPX00090.0	2	Pivot Pin - Lift Strap
13	KPX00110.0	1	Switch Mounting Plate
14	KRX00640.0	2	Microswitch - Lever type
15	KRX00430.0	1	Microswitch-also requires item 31 Plunger
16	KPX00080.0	1	Outer Mast Top Casting
17	MX01560.0	2	Roller - Lift Strap
18	KPX00160.0	2	Pivot Pin - Roller
19	EX40260.0	1	Nut - Hex M12
20	KPS1008	1	Lift Strap Spares Kit
21	KPX01540.0	1	Screw - Pan Head M6 x 30mm Long
22	KPX01200.0	2	Screw - Socket Cap Head M6 x 10mm Long
23	KPX01460.20	1	Lower Bearing - Front
24	KPX15680.0	1	Screw - Cap Head M12 x 55mm Long
25	KPX15780.0	4	Screw - Socket Cap Head M6 x 35mm Long
26	KPX00600.0	2	Screw - Pan Head M3 x 25mm Long
27	KPX02050.0	2	Buckle Cover
28	AX15960.0	4	Cable Tie (Not Illustrated)
29	KPX01220.0	1	Circlip
30	KPX01730.0	4	Spacer - Actuator Fixing
31	KPX01550.0	1	Plunger
32	KPX02030.0	1	Friction Washer
33	KPX00550.0	1	Backplate Assembly (inc. items 60, 61, 62, 64)
34	KPX00230.20	1	Console Cover Plate
35	KGX00500.0	1	Foam Strip
36	AX00441.0	4	Screw - Pan Head M4 x 8mm Long
37	HX33500.0	2	Terminal - Male (Not Illustrated) (see also KPS1031)
38	EX41960.0	2	Bolt - Hex Head M5 x 20mm Long
39	KKX21360.0	1	Bezel

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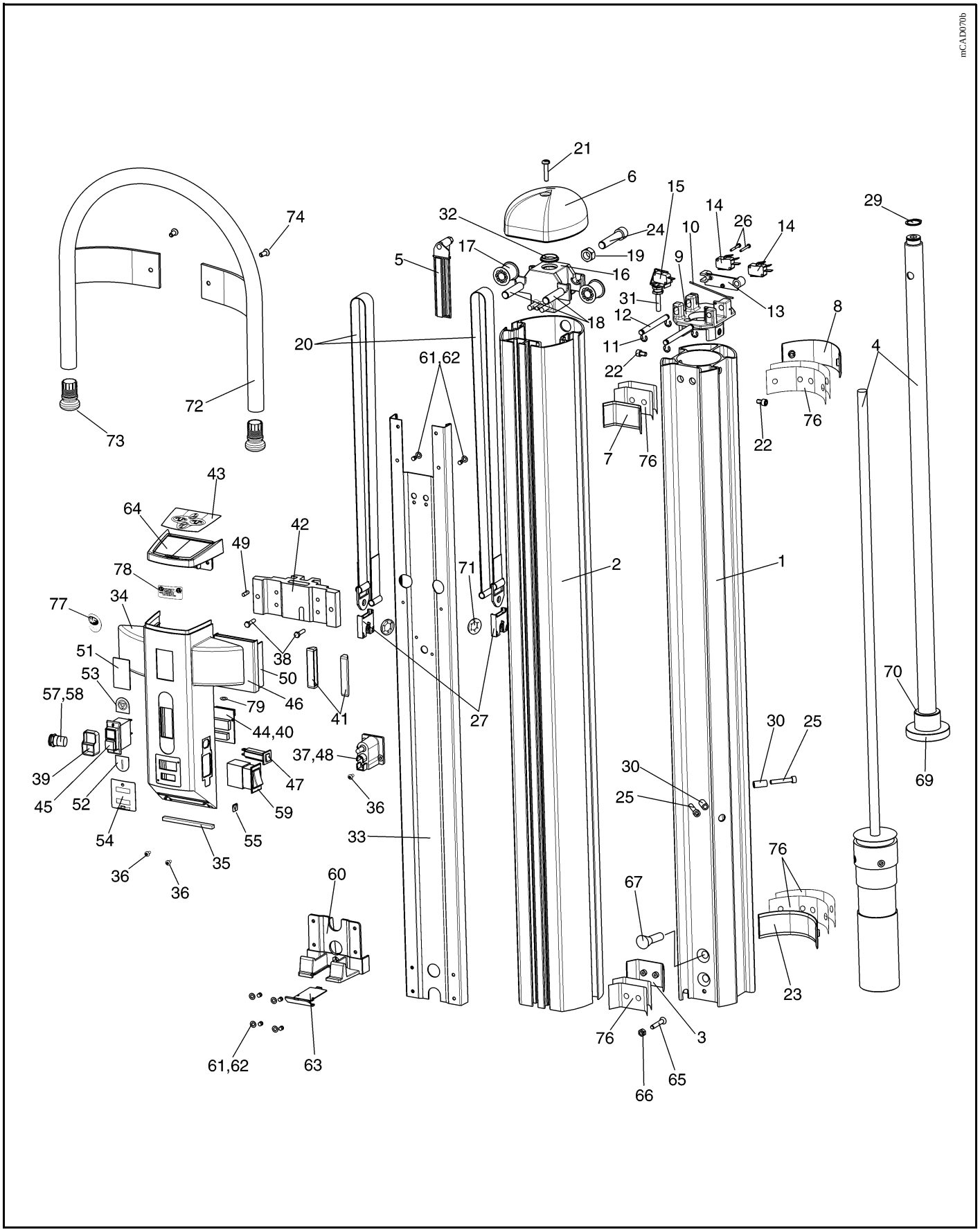
A - Mast, Actuator, Console & Back Plate Assembly



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A - Mast, Actuator, Console & Back Plate Assembly

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Item	Part Number	Qty	Description
40	KPX02000.0	2	Screw - Pozi Pan Head M2.5 x 8mm Long
41	KPX00290.0	2	Slipper
42	KPX00520.0	1	Guide Block
43	KPX00610.0	1	Switch Panel Membrane
44	KPX00370.0	1	Hours and Battery Display
45	KKX10730.0	1	Stop/Start Switch
46	KPX00030.0	1	PCB - Motor Control
47	KX57110.0	1	Thermal Circuit Breaker
48	KPX01670.20	1	Battery Terminal Housing (Plastic Part)
49	KPX02040.0	2	Screw - Plastic M8 x 30mm Long
50	KPX01190.0	2	Self Adhesive Pad
51	KGX00690.0	1	Label - ARJO
52	KPX01120.0	1	Label - ON
53	KPX01130.0	1	Label - OFF
54	KPX01110.0	1	Label - Hour and Battery
55	KRX05070.0	1	Label - Emergency Lowering
56	KKX51930.0	2	Nut - Hex M2.5
57	KKX52900.0	1	Adhesive Pad (not illustrated)
58	KPX01620.0	1	Piezo Buzzer (see Electrics section)
59	KX57210.0	1	System Failure Lower Override Switch
60	KPX00530.20	1	Battery Location Bracket
61	KPX02300.0	6	Pop Rivet 4.8mm x 10mm Long
62	EX41520.0	6	Washer M5
63	KPX00540.20	1	Blanking Plate
64	KPX00220.20	1	Console Top
65	KPX01230.0	1	Screw - Csk. Socket Head M6 x 35mm Long
66	DX27660.0	1	Nut - Hex M6
67	KPX11520.0	2	Screw - Csk. Socket Head M10 x 40mm Long
68	KPX01610.XX	1	Label - OPERA (not illustrated)
69	KPX02240.0	1	Stabilizing tube
70	KPX02250.0	1	Circlip
71	KPX02180.0	2	Washer - Starlock 10mm Diameter (lift strap fixing)
72	KPX00200.XX	1	Handle assembly
73	KPX00210.20	2	Plug
74	DX08770.0	2	Screw - Csk. Socket Head M10 x 20mm long.
75	KPX01990.20	2	Protector insert (not illustrated)
76	KPX02190.0	1	Shim set - Mast bearings x 8 (cut to suit items 3 & 7)
77	KPX02310.0	1	Label - NF
78	LBX05560.0	1	Label - NTL
79	EX40420.0	1	Grommet

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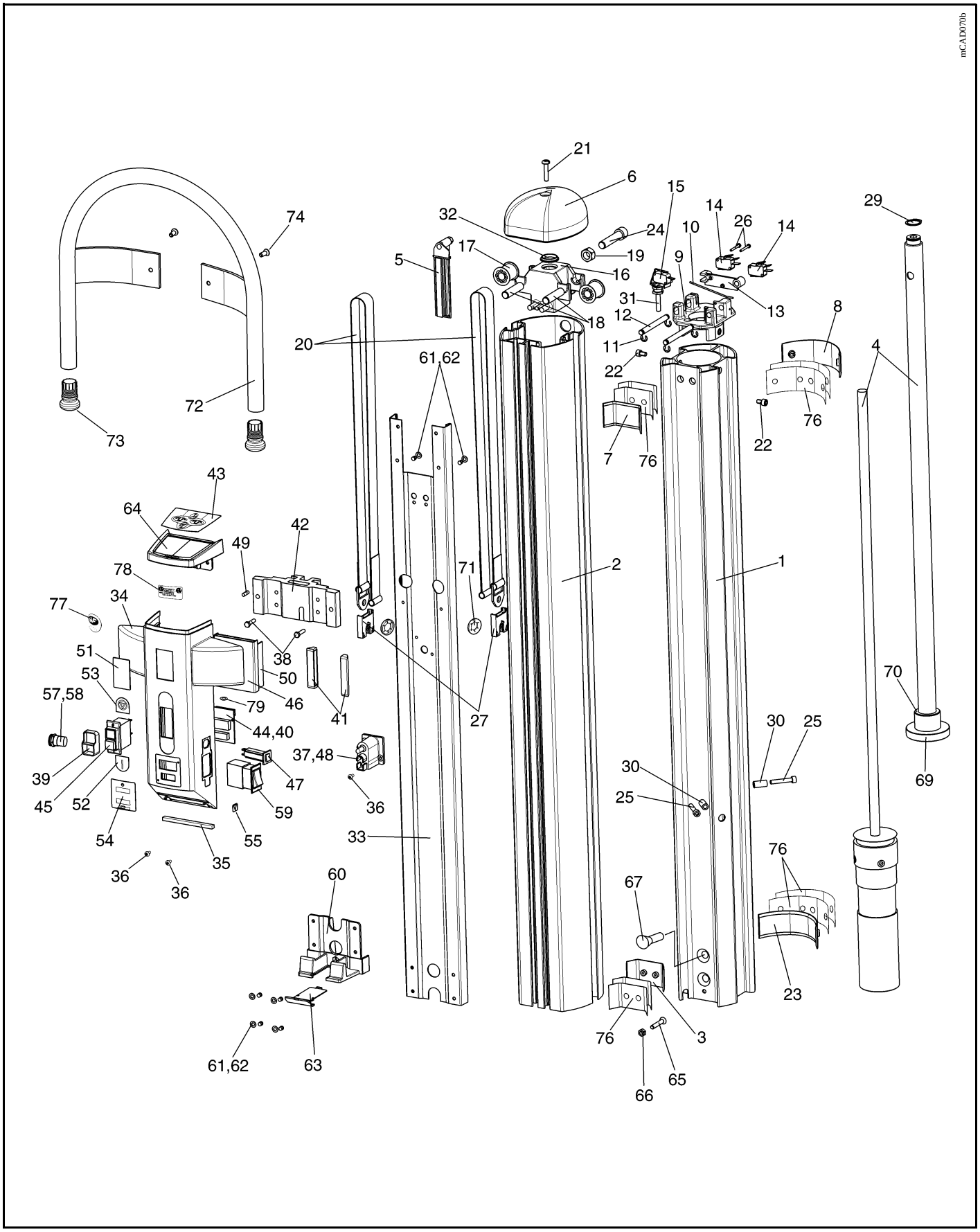
A - Mast, Actuator, Console & Back Plate Assembly



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A - Mast, Actuator, Console & Back Plate Assembly

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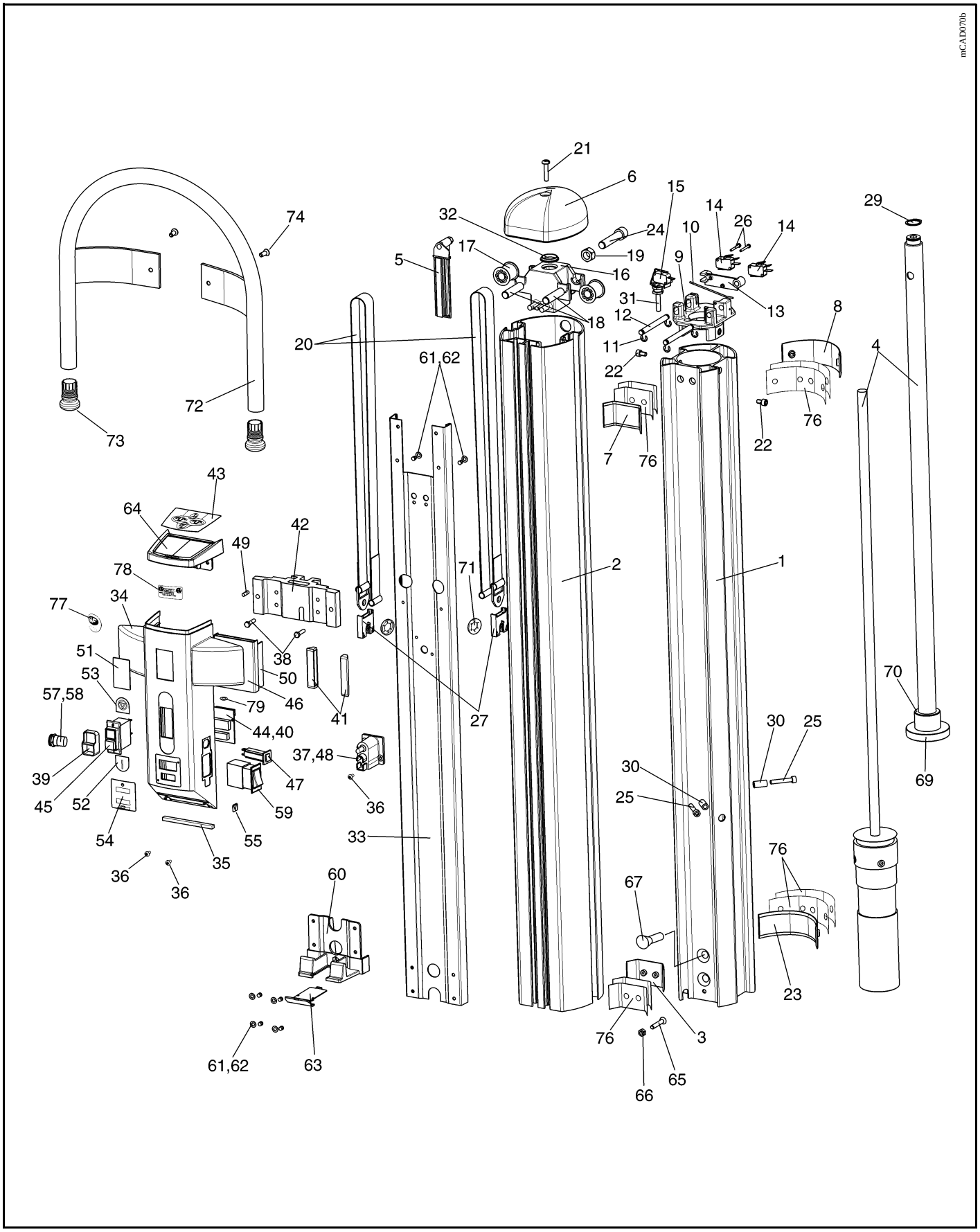
Item	Part Number	Qty	Description
	KPS 1000.....		Spares package - Battery location bracket Comprising items 60, 61x4, 62x4
	KPS 1001.....		Spares package - Top console coverplate Comprising items 43, 61x2, 62x2, 64
	KPS 1002.....		Spares package - Back plate assembly Comprising items 33, 43
	KPS 1003.....		Spares package - Console cover plate Comprising items 34, 35, 50x2, 51, 52, 53, 54, 55, 57, 58
	KPS 1004.....		Spares package - Bearing kit Comprising items 3, 7, 8, 23, 41x2, 76x4
	KPS 1005.....		Spares package - Inner mast Comprising items 1, 3, 7, 8, 23, 41x2
	KPS 1006-XX.....		Spares package - Outer mast Comprising items 2, 3, 7, 8, 23, 41x2, 68
	KPS 1007.....		Spares package - Stabilizing tube Comprising items 69, 70
	KPS 1008.....		Spares package - Lift straps Comprising items 11x4, 20x2, 27x2, 29, 71x2
	KPS 1009.....		Spares package - Pin and roller Comprising items 17x2, 18x2
	KPS 1034-XX.....		Spares package - handle assembly Comprising items 72, 73,x2, 74x2
	KPS 1038.....		Spares package - Buckle cover Comprising items 27x2, 71x2
	KPS 1042-XX.....		Spares package - Labels (mast) Comprising items 51, 52, 53, 54, 55, 68

A - Mast, Actuator, Console & Back Plate Assembly



B - Chassis - Powered ‘V’ Opening

Note: Always quote Serial number of lifter, and specify Quantity, Part Number, description and colour (if applicable) when ordering spares.
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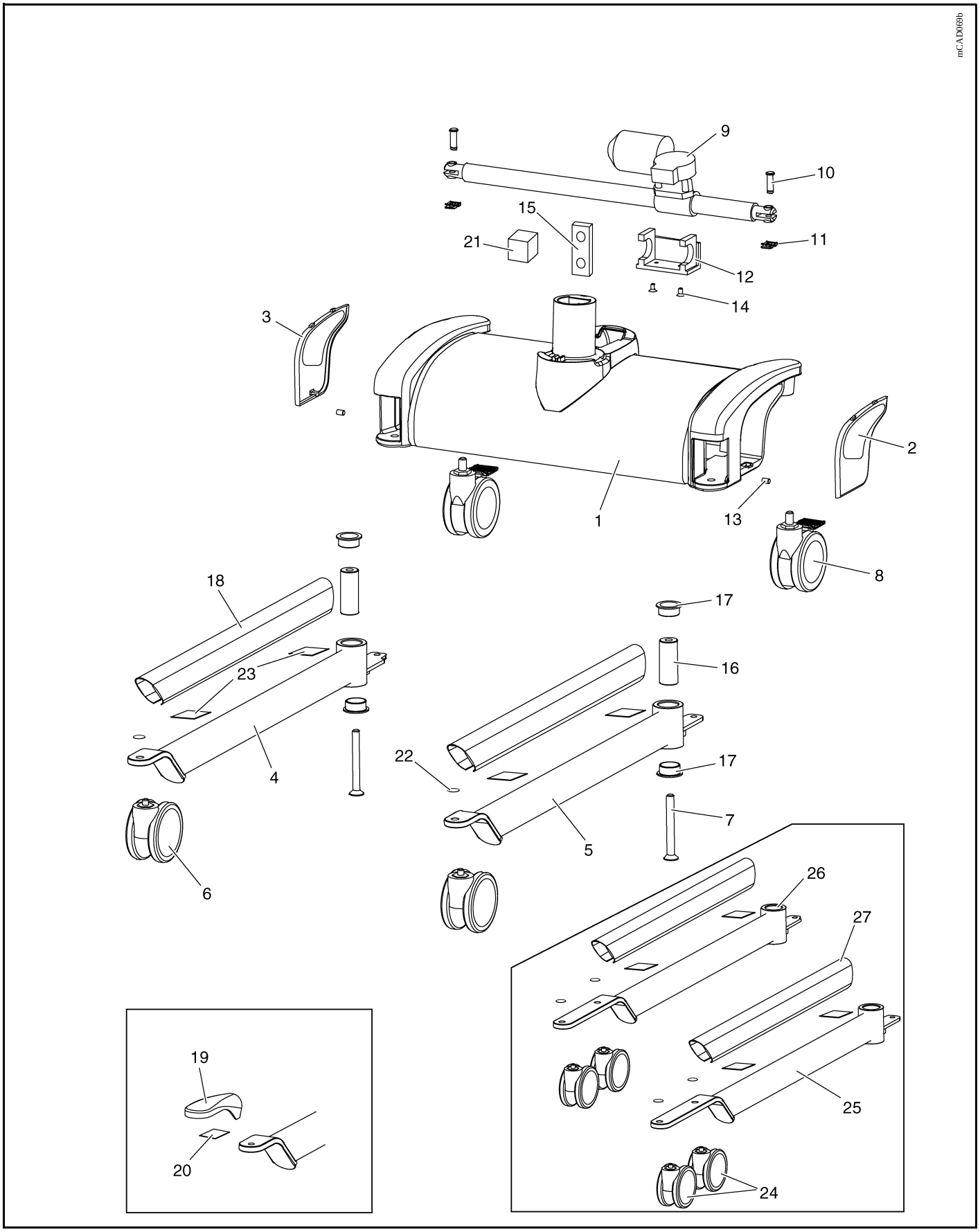
Item	Part Number	Qty	Description
1	KPX10500.20	1	Cross member
2	KPX10340.26	1	End cap - handed
3	KPX10350.26	1	End cap - handed
4	KPX11440.20	1	Leg assembly - handed
5	KPX11500.20	1	Leg assembly - handed
6	KRX11600.20	2	Castor - 100mm diameter
	KPA3075	1	Castors - Pair, 75mm diameter(option)(reduces SWL to 140kg)
7	KPX10410.0	2	Screw - Soc. csk. head M12 x 110mm long
8	KKX50820.XX	2	Castor - twin braked - 100mm dia.
9	KRX10280.0	1	Actuator
10	KPX11400.0	2	Clevis pin - 10mm diameter
11	JX68800.0	2	Safety fastener
12	KPX11310.0	1	Centralisation unit
13	KPX16770.0	2	Set Screw - Soc. M8 x 25mm long
14	AX15240.0	2	Screw - Soc. csk. head M6 x 12mm long
15	KPX11190.0	1	Retaining plate - mast
16	KPX10470.0	2	Spacer - bearing pivot
17	KTX00290.0	4	Bush - bearing pivot
18	KPX11470.20	2	Leg extrusion - plastic
19	KPX11480.26	2	Cover - foot bracket (where fitted)
20	KPX11510.0	2	Self adhesive pad (where fitted)
21	KPX11540.0	1	Polystyrene block
22	KPX11430.20	2	Cap
23	KKX10700.0	4	Adhesive pad
24	KPX11580.20	4	Castors, 75mm diameter(option)(reduces SWL to 140kg)
25	KPX80680.XX	1	Leg assembly (handed)
26	KPX80679.XX	1	Leg assembly (handed)
27	KPX11610.XX	2	Leg extrusion - plastic

KPS 1010.....	Spares package - Chassis leg (handed) Comprising items 4, 6 x2, 11, 17 x2, 18, 22, 20
KPS 1011.....	Spares package - Chassis leg (handed) Comprising items 5, 6 x2, 11, 17 x2, 18, 22, 20
KPS 1013.....	Spares package - Actuator replacement Comprising items 9, 10 x2, 11 x2

B - Chassis - Powered ‘V’ Opening



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B - Chassis - Powered ‘V’ Opening

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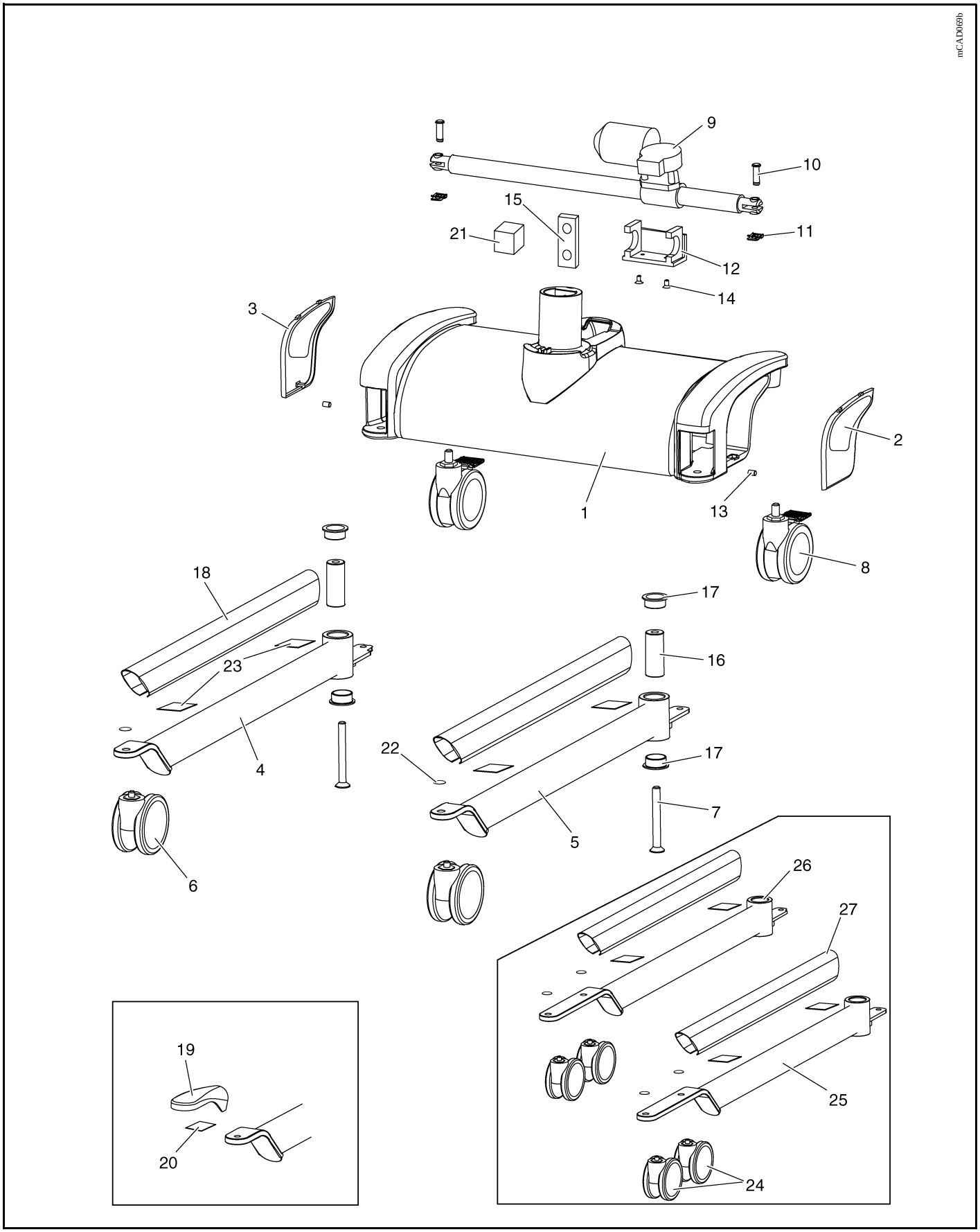
Item	Part Number	Qty	Description
	KPS 1014.....		Spares package - Chassis leg bush Comprising items 17 x2
	KKS 5039		Spares package - Front castor kit (metal body) Comprising items 6 x2 (as applicable)
	KKS 5040		Spares package - Rear castor kit (metal body) Comprising item 8 x2

B - Chassis - Powered ‘V’ Opening



C - Jib & 4 Point Spreader Bar

Note: Always quote Serial number of lifter, and specify Quantity, Part Number, description and colour (if applicable) when ordering spares.
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Item	Part Number	Qty	Description
1	KPX15040.24	1	Jib - Standard
2	KMX00360.0	1	Flanged Bush (quantity 2 if extension is fitted)
3	KMX00370.0	1	Bush (quantity 2 if extension is fitted)
4	KPX20140.20	1	Teebar
5	KMX00310.0	1	Friction Disc
6	KPX80582-00	2	Lock Nut
7	KPX16510.24	1	Top Cover
8	KX50650.0	2	Screw - Pan Head Pozi No10 x ¾ inch long
9	CX15360.0	1	Spirol Pin 4mm diameter x 24mm long
10	KPX20350.0	2	Bush
11	KPX20360.0	2	Bush
12	KPX15760.0	2	Guide Block
13	MX04530.0	4	Screw - Cap Head M6 x 25mm long
14	KPX15750.XX	1	Cover - Rear Jib
15	KRX21110.0	3	Bearing Spring
16	KPX00340.0	4	Carriage Roller
17	LBX02460.0	1	Label - Sling Size Guide
18	KPX02200.0	1	Label - OK/Arrow
19	KPX02210.0	1	Label - Arrow
20	KPX02220.0	1	Label - X incorrect
21	KPX20610.0	2	Label - SWL 200kg
22	AX01160.0	1	Label - CE
23	KPX02050.0	2	Buckle Cover
24	KPX02180.0	2	Washer - Starlock 10mm diameter (lift strap fixing)
25	KPX20160.XX	1	Lift Frame
26	KPX20560.XX	1	Lift Support (“lock and load” type - removeable)
26	KPX20570.XX	1	Lift Support (“dedicated” type - permanently attached) (only extended jibs) (not illustrated)
27	KPX20420.20	1	Locking Clip
28	MX01440.0	2	Friction Washer
29	GX20460.0	2	Washer Disc Spring
30	MX01450.0	2	Washer
31	AX01201.0	2	Nut - Thin Nyloc M10
32	MX01460.20	2	Cap
33	KPX20100.20	1	Hand Grip
34	KPX20310.20	2	End Plug
35	KMX01080.0	1	Drain Hole Plug
36	KPX20430.0	1	Leaf Spring
37	AX25140.0	1	Screw - Socket Button Head M6 x 16mm long
38	Reference only		Label - Barcode (not a spare)
39	KPX15770.0	2	Plunger (only when PPP spreader bar is fitted)
40	KPX15790.0	2	Spring (only when PPP spreader bar is fitted)
41	KPX15800.0	2	Setscrew (only when PPP spreader bar is fitted)

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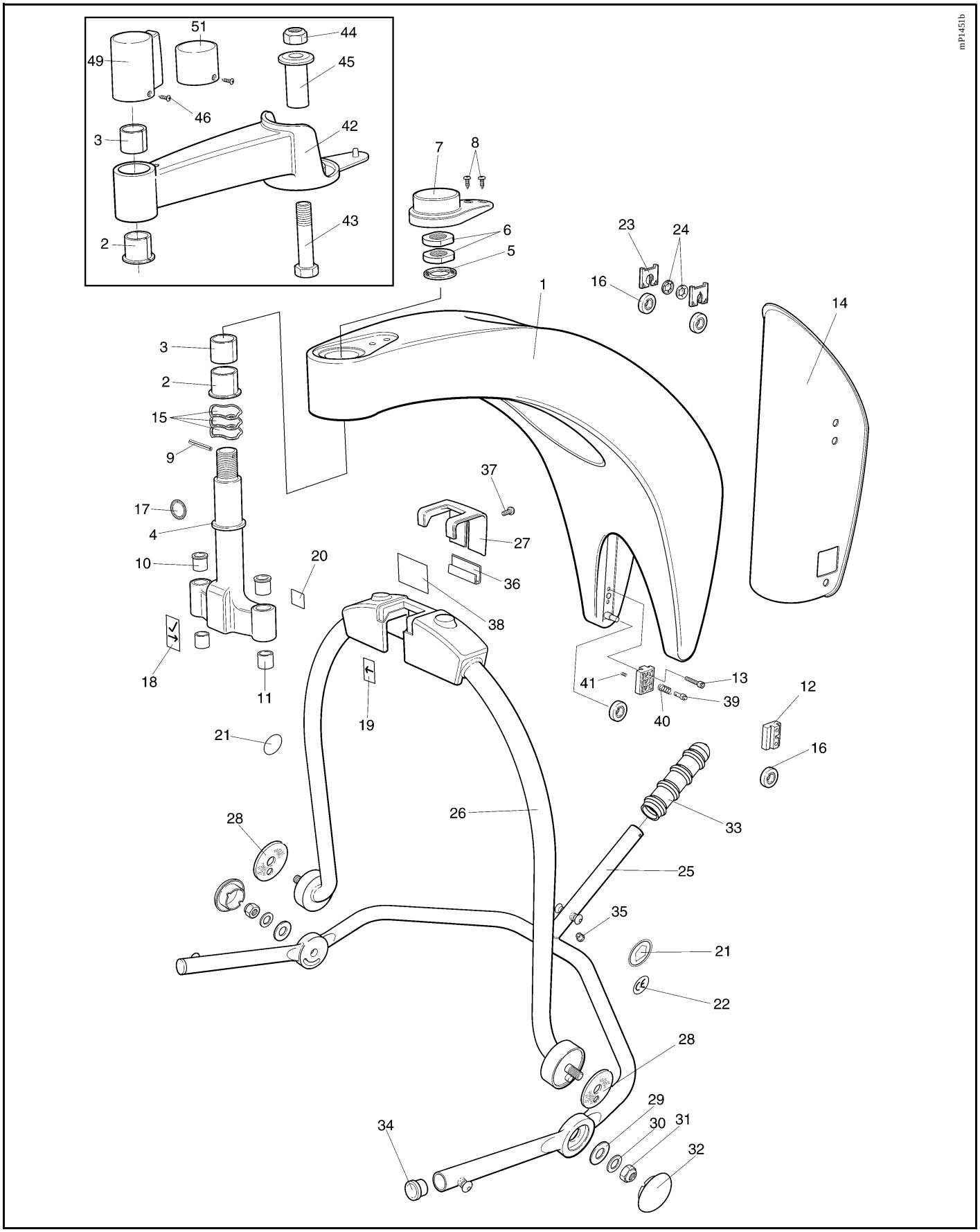
C - Jib & 4 Point Spreader Bar



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C - Jib & 4 Point Spreader Bar

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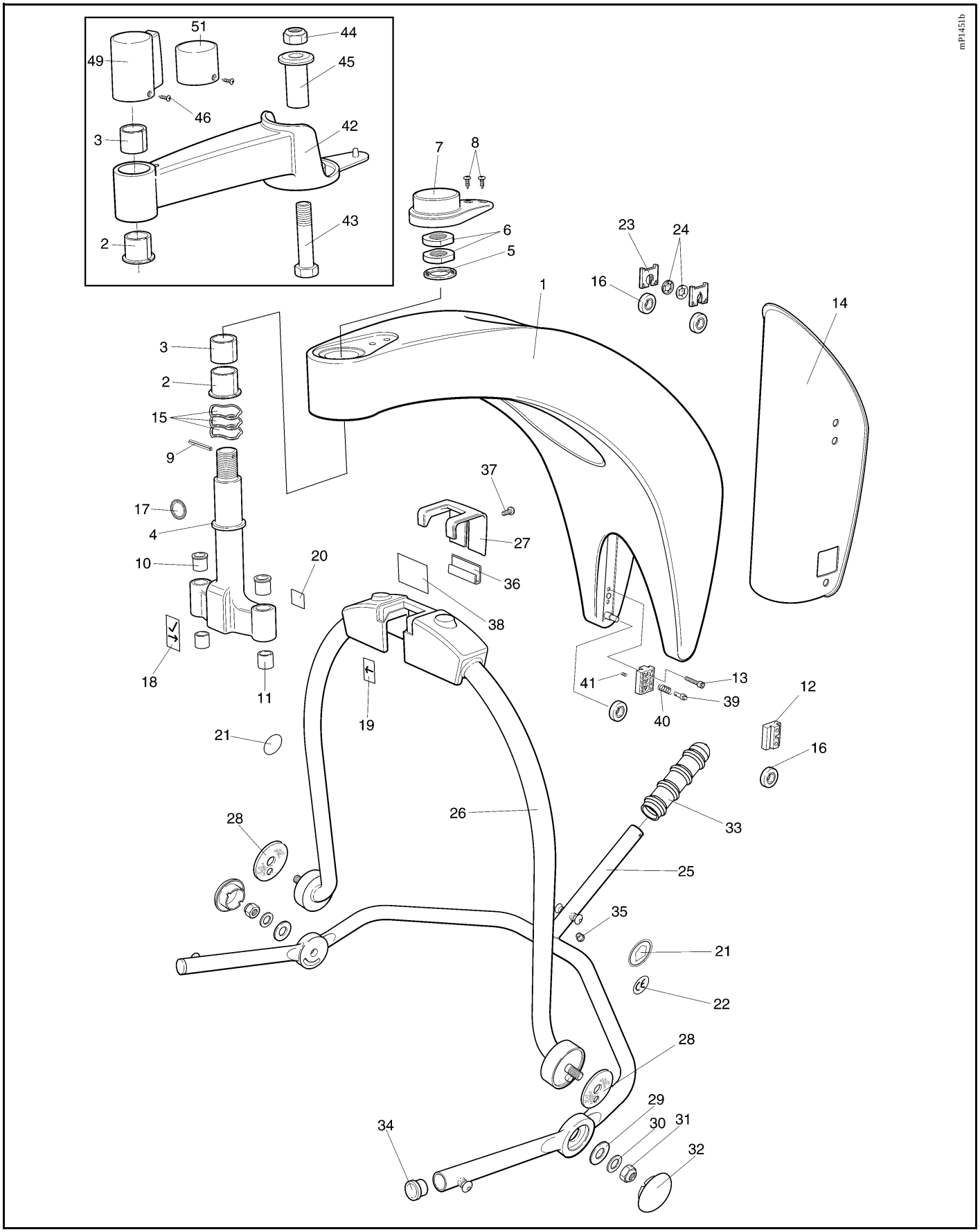
Item	Part Number	Qty	Description
42	KPX15850.24	1	Jib extension (200mm) - for standard jibs
43	KPX20620.0	1	Bolt - M16 x 90mm long (for jib extension)
44	KPX81034-00	1	Nut - nyloc M16 (for jib extension)
45	KPX20630.0	1	Spacer - (for jib extension)
46	AX28220.0	2	Screw - panhead pozi M4 x 5mm long (for jib extension)
47	KRX21100.0	1	O-Ring - (for jib extension) (not illustrated)
48	KRX01600.0	1	Label - 130kg SWL (for jib extension) (not illustrated)
49	KPX15880.24	1	Extension cover - P.P.P. (for jib extension)
50	KPX01200.0	2	Screw - socket cap head M6 x 10mm long (rear jib cover fixing) (not illustrated)
51	KPX15870.0	1	Extension cover (if four point spreader bar is fitted)
	KPS 1015-XX.....		Spares package - Lift support (“lock and load” type - Removeable) Comprising items 5, 9, 21x2, 22, 26, 27, 28x2, 29x2, 30x2, 31x2, 36, 37
	KPS 1016-XX.....		Spares package - Lift support (“dedicated” type - permanently attached) Comprising items 5, 9, 21x2, 22, 26, 28x2, 29x2, 30x2, 31x2
	KPS 1017-XX.....		Spares package - Lift frame Comprising items 25, 28x2, 29x2, 30x2, 31x2, 33, 34x2, 35
	KPS 1018.....		Spares package - Carriage roller Comprising items 16x4
	KPS 1019.....		Spares package - Top end bearing Comprising items 2, 3, 5, 9, 15x3
	KPS 1020.....		Spares package - Locking clip Comprising items 27, 36, 37
	KPS 1027.....		Spares package - Friction washer (Pintle) Comprising items 5, 9
	KPS 1043.....		Spares package - Labels (Tee bar and four point spreader bar) Comprising items 17, 18, 19, 20, 21x2, 22
	KPS 3027.....		Spares package - Friction washer (Lift frame) Comprising items 28x2, 29x2, 30x2, 31x2
	KPS 2000.....		Spares package - Tee bar bushes Comprising items 10x2, 11x2

C - Jib & 4 Point Spreader Bar



D - Scale Jib

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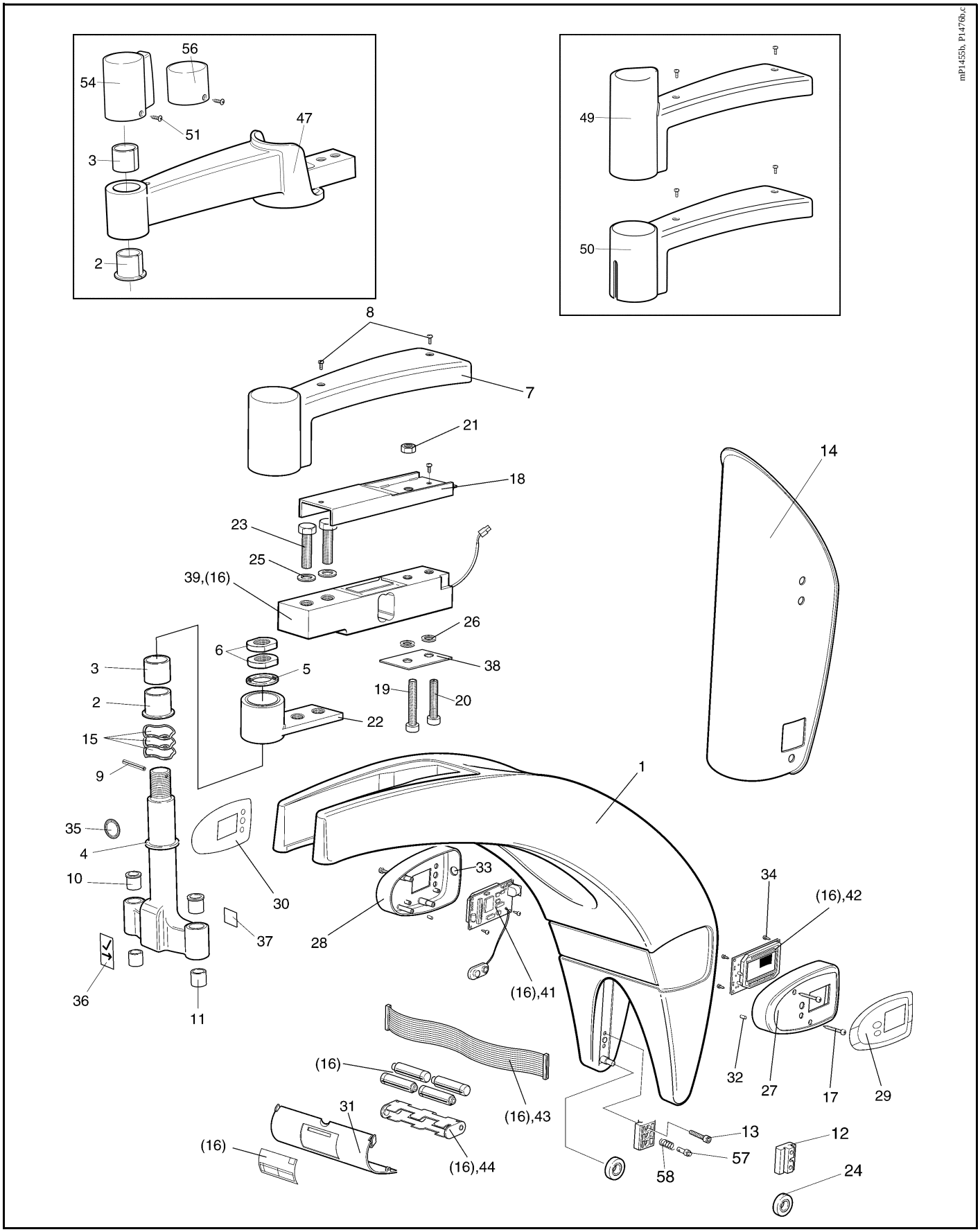
Item	Part Number	Qty	Description
1	KPX15050.24	1	Jib - Scale
2	KMX00360.0	1	Flanged Bush (quantity 2 if extension is fitted)
3	KMX00370.0	1	Bush (quantity 2 if extension is fitted)
4	KPX20140.20	1	Teebar
5	KMX00310.0	1	Friction Disc
6	KPX80582-00	2	Lock Nut
7	KPX15190-00	1	Top Cover
8	HX33920.0	2	Screw - pan head M4 x 12mm long
9	CX15360.0	1	Spirol Pin 4mm diameter x 24mm long
10	KPX20350.0	2	Bush
11	KPX20360.0	2	Bush
12	KPX15760.0	2	Guide Block
13	MX04530.0	4	Screw - cap head M6 x 25mm long
14	KPX15750.XX	1	Rear Jib Cover
15	KRX21110.0	3	Bearing Spring
16	KPA3520	1	Scale kit - class 3 approved
17	KPX15580.0	4	Screw - self tap pan head pozi no6 x 1¼” long
18	KPX15510.0	1	Top Cover Bracket
19	KPX15690.0	1	Screw - cap head M12 x 70mm long
20	KPX15680.0	1	Screw - cap head M12 x 50mm long
21	EX40260.0	1	Nut M12
22	KPX15220.20	1	Front End Pivot
23	KX50360.0	2	Bolt Hex head M12 x 55mm long
24	KPX00340.0	4	Carriage Roller
25	DX08820.0	2	Washer M12
26	EX60840.0	2	Washer M12
27	KPX15130.20	1	Scale Display Housing - left hand
28	KPX15140.20	1	Scale Display Housing - right hand
29	KPX15170.0	1	Scale Membrane - left hand
30	KPX15180.0	1	Scale Membrane - right hand
31	KPX15150.20	1	Cover - scale batteries
32	KPX15970.0	2	Spirol Pin 4mm diameter x 16mm long
33	KPX17320.0	1	Plastic Body Plug
34	JX00410.0	8	Screw - self tapping No 4 x ¼”
35	LBX02460.0	1	Label - sling size guide
36	KPX02200.0	1	Label - correct location

Continued...

D - Scale Jib



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D - Scale Jib

Note: Always quote Serial number of lifter, and specify Quantity, Part Number, description and colour (if applicable) when ordering spares.
Note: ** in listed part number refers to country code
Note: .XX in listed part number refers to colour code suffix
Key to colour suffix:. 04 - White, .06 - Beige, .11 - Lilac, .16 - Sapphire blue, .20 - Grey, .21 - Dark Green, .23 - Yellow, .25 - bright Green

Item	Part Number	Qty	Description
37	KPX02220.0	1	Label - X incorrect
38	KPX15080.0	1	Load cell spacer (if fitted)
	KPX17330.0	1	Load cell spacer tepered(if fitted - class 3 approved scales only)
39	KRX20790.0	1	Load cell (class 3 approved)
40			
41	KPX17060.0	1	Mother board PCB
42	KPX17070.0	1	Slave PCB
43	KPX17080.0	1	Ribbon cable
44	KTX05390.0	1	Battery holder
45	KPX17100.0	1	Cable (load cell to PCB) (not illustrated)
46	KPX17090.0	1	Connector (load cell cable) (not illustrated)
47	KPX15850.24	1	Jib extension (200mm) - for scale jibs
48	KPX15190.24	1	Top Cover (non PPP or non PPP with extension)
49	KPX16560.24	1	Top Cover (PPP)
50	KPX17220.24	1	Top Cover (extension with PPP)
51	AX28220.0	2	Screw - panhead pozi M4 x 5mm long (for jib extension)
52	KRX21100.0	1	O-Ring - (for jib extension) (not illustrated)
53	KRX01600.0	1	Label - 130kg SWL (for jib extension) (not illustrated)
54	KPX15880.24	1	Extension cover - P.P.P. (for jib extension)
55	KPX01200.0	2	Screw - socket cap head M6 x 10mm long (rear jib cover fixing) (not illustrated)
56	KPX15870.0	1	Extension cover (if four point spreader bar is fitted)
57	KPX15770.0	2	Plunger (only when PPP spreader bar)
58	KPX15790.0	2	Spring (only when PPP spreader bar)
	KPS 1021.....		Spares package - Tee bar Comprising items 4, 5, 9, 10x2, 11x2, 35, 36, 37
	KPS 1022.....		Spares package - Front casting Comprising items 2, 3, 5, 9, 22, 23x2
	KPS 1047.....		Spares package - Scale display Comprising items16 (KPA 3500), 17x4, 27, 28, 29, 30, 31, 32x2, 34x8
	KPS 1048.....		Spares package - Scale display Comprising items 16 (KPA 3510), 17x4, 27, 28, 29, 30, 31, 32x2, 34x8
	KPS 1049.....		Spares package - Scale display Comprising items 16 (KPA 3520), 17x4, 27, 28, 29, 30, 31, 32x2, 34x8

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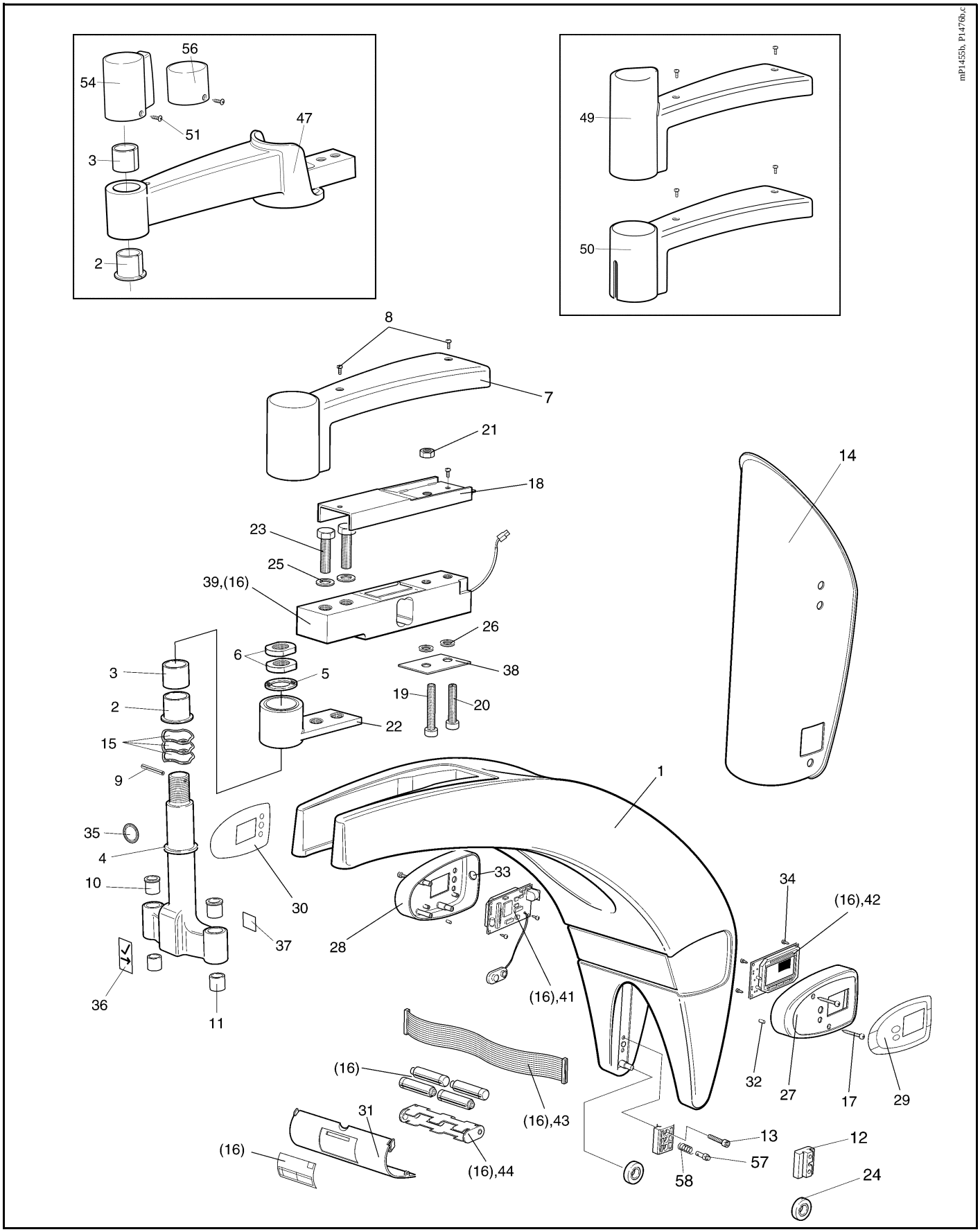
D - Scale Jib



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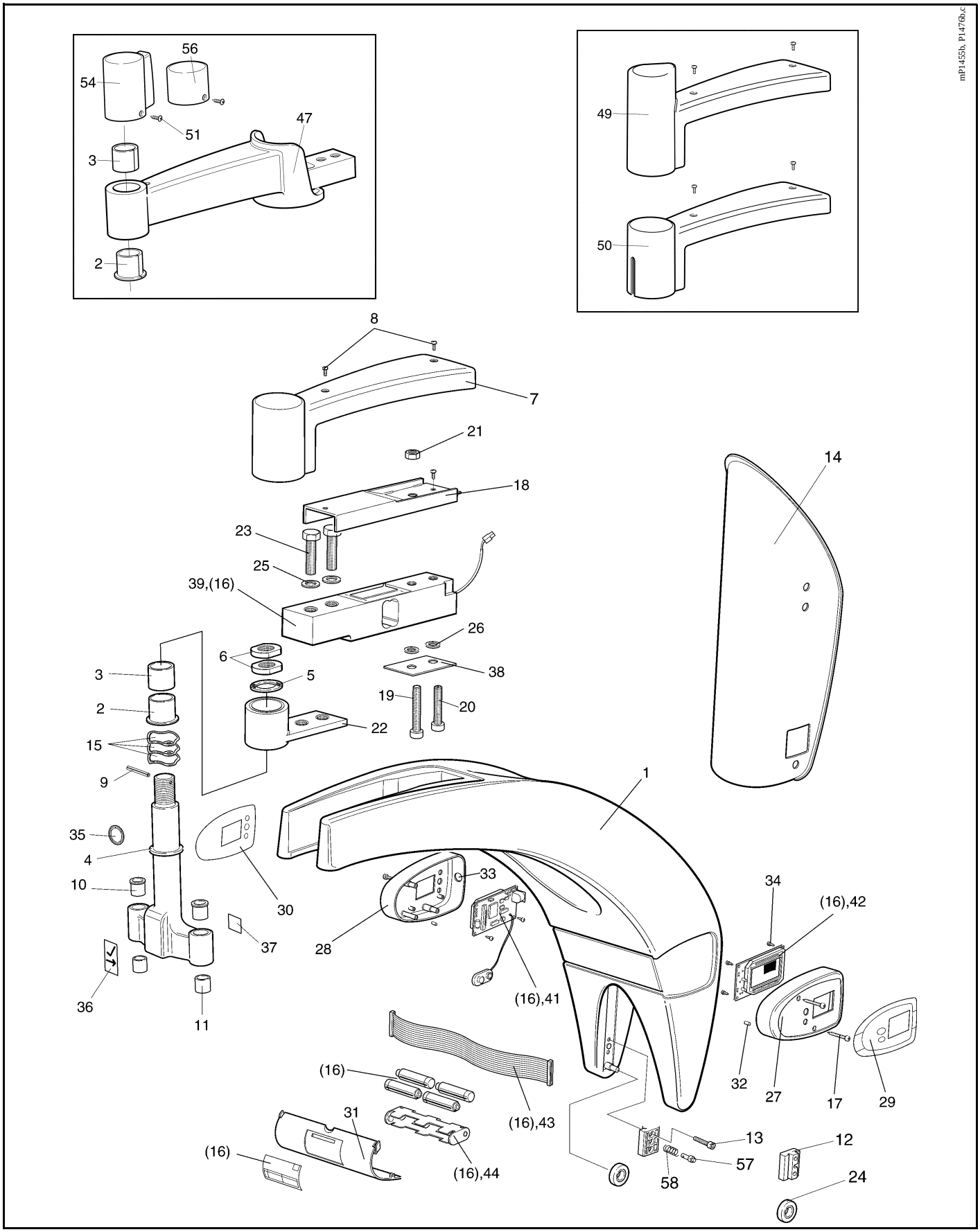
D - Scale Jib

Note: Always quote Serial number of lifter, and specify Quantity, Part Number, description and colour (if applicable) when ordering spares.
Note: ** in listed part number refers to country code
Note: .XX in listed part number refers to colour code suffix
Key to colour suffix:. 04 - White, .06 - Beige, .11 - Lilac, .16 - Sapphire blue, .20 - Grey, .21 - Dark Green, .23 - Yellow, .25 - bright Green

Item	Part Number	Qty	Description
	KPS 1027.....		Spares package - Friction washer (Pintle) Comprising items 5, 9
	KPS 1032.....		Spares package - Motherboard PCB - non-class 3 approved (rest of world) Comprising items 41, 30
	KPS 1033.....		Spares package - Slave PCB Comprising items 42, 29
	KPS 1036.....		Spares package - Motherboard PCB - non-class 3 approved (USA) Comprising items 41, 30
	KPS 1037.....		Spares package - Motherboard PCB - class 3 approved (rest of world) Comprising items 41, 30
	KPS 1046.....		Spares package - Labels (Teebar) Comprising items 35, 36, 37
	KPS 2000.....		Spares package - Tee bar bushes Comprising items 10x2, 11x2

D - Scale Jib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E - P.P.P. Jib

Note: Always quote Serial number of lifter, and specify Quantity, Part Number, description and colour (if applicable) when ordering spares.
Note: ** in listed part number refers to country code
Note: .XX in listed part number refers to colour code suffix
Key to colour suffix:. 04 - White, .06 - Beige, .11 - Lilac, .16 - Sapphire blue, .20 - Grey, .21 - Dark Green, .23 - Yellow, .25 - bright Green

Item	Part Number	Qty	Description
1	KPX16010.22	1	Lift Frame
2	KPX16020.22	1	Lift Support
3	KPX16030.0	1	Motor
4	KPX16040.24	1	Cover - front
5	KPX16050.24	1	Cover - rear
6	KPX16060.24	1	Cover - motor
7	LBX02460.0	1	Label - sling size guide
8	KPX17050.0	1	Label - IP X7
9	KPX16070.0	1	Drive Housing
10	KPX16090.0	1	Bearing - ball
11	KPX16100.0	1	Bearing - needle roller
12	KPX16110.0	2	Thrust washer
13	KPX16120.0	1	Thrust washer
14	KPX16130.0	1	Worm
15	KPX16140.0	1	Worm wheel
16	KTX03090.0	4	Screw - pan head M2 x 12mm long (not illustrated) Microswitch fixing in gearbox
17	KPX17120.0	2	Thrust spacer
18	DX08820.0	1	Washer 12mm diameter
19	EX45250.0	1	Thin nut - M12
20	KX53140.0	3	Bush 10mm diameter
21	KPX16180.0	1	End plate - drive housing
22	KPX16190.0	1	Location bush
23	KTX03100.0	4	Nut - M2 (not illustrated) Microswitch fixing in gearbox
24	LBX03410.0	4	Screw - cap head M5 x 16mm long
25	LBX04390.0	4	Screw - cheese head M3 x 10mm long
26	LBX00780.0	4	Screw - cap head M4 x 10mm long
27	KPX16930.0	1	‘O’ ring - 25.5mm I/D x 3mm
28	KPX16220.0	2	Bearing - needle roller
29	KPX16230.0	4	Thrust washer
30	AX15150.0	1	Wavy washer - 10mm
31	KPX16810.0	2	Long key
32	KPX16800.0	1	Universal joint
33	CX15360.0	1	Spirol pin 4 mm diameter x 24mm long
34	KX50650.0	2	Screw - pan head pozi no.10 x ¾” long
35	KPX16250.24	1	Cover - top (non scale)
36	KPX16260.0	1	Drive Shaft
37	KPX16550.20	1	Handle - grip
38	KPX16500.0	1	Handle - outer

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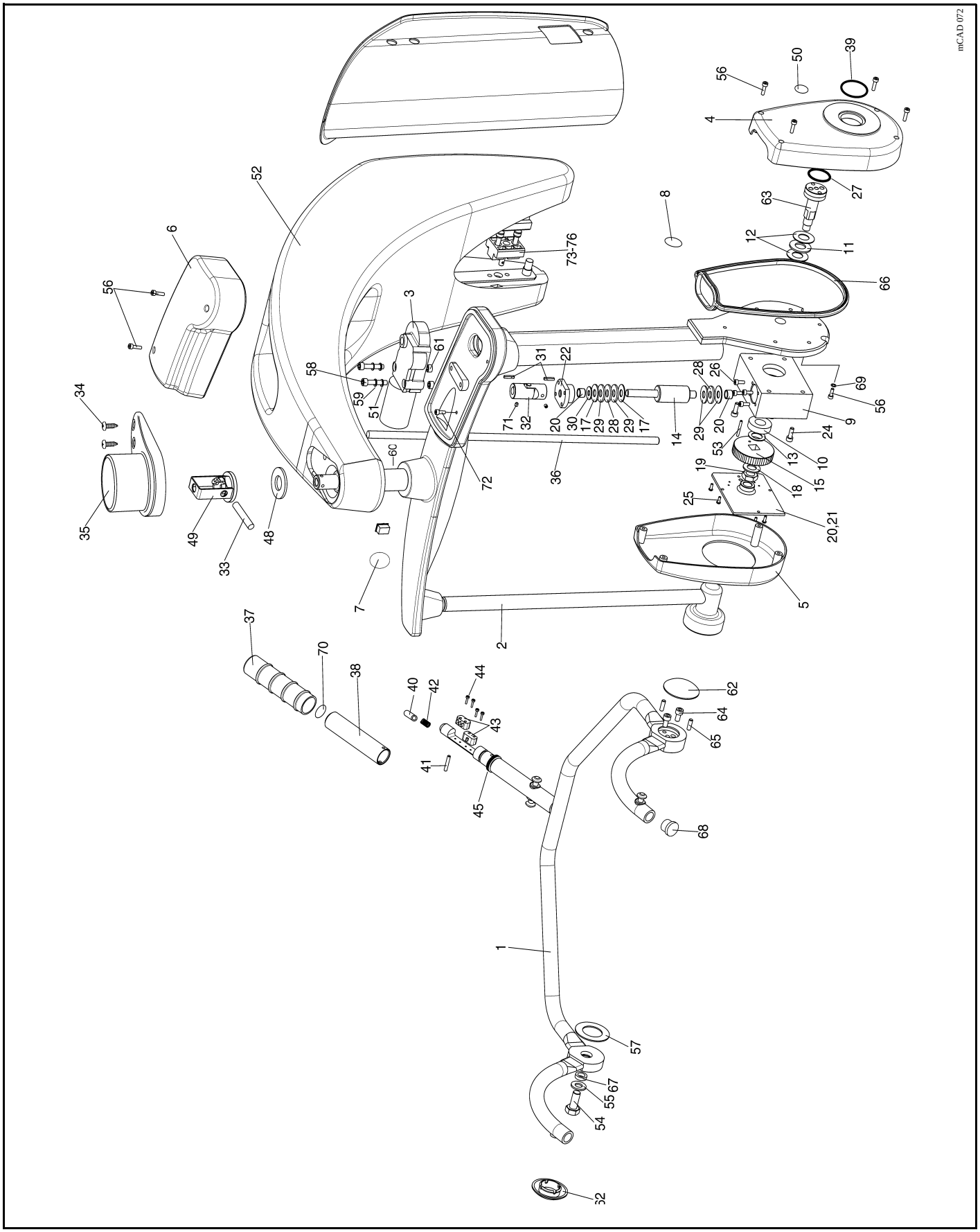
E - P.P.P. Jib



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E - P.P.P. Jib

Note: Always quote Serial number of lifter, and specify Quantity, Part Number, description and colour (if applicable) when ordering spares.
Note: ** in listed part number refers to country code
Note: .XX in listed part number refers to colour code suffix
Key to colour suffix:. 04 - White, .06 - Beige, .11 - Lilac, .16 - Sapphire blue, .20 - Grey, .21 - Dark Green, .23 - Yellow, .25 - bright Green

Item	Part Number	Qty	Description
39	KPX16300.0	1	'O' ring 29mm I/D x 3mm
40	KPX17380.0	1	Plunger - PPP Handle
41	KRX27090.0	1	Pin - handle
42	KPX17370.0	1	Spring
43	KRX27750.0	2	Microswitch - V4
44	KRX27100.0	4	Screw - cap head M2 x 10mm long
45	KRX27580.0	1	'O' ring
46	See standard spreader bar section	1	Bush (spreader bar rotation pivot) (not illustrated)
47	See standard spreader bar section	1	Bush - flange (spreader bar rotation pivot) (not illustrated)
48	KMX00310.0	1	Friction disc
49	KPX17140.0	1	Castle nut
50	LBX05550.0	1	Label - wet environment
51	EX40290.0	2	Washer
52	KPX15040.24	1	Jib (non scale)
	KPX15050.24	1	Jib (scale) not illustrated
53	KMX00390.0	1	3mm diameter x 25mm long
54	HX33090.0	1	Screw - hex. head M10 x 25mm long
55	DX08830.0	1	Washer - 10mm diameter
56	JX04120.0	8	Screw - cap head M4 x 15mm long
57	KPX16570.0	1	Bearing washer
58	DX29360.0	2	Set Screw - Hex. head M6 x 40mm long
59	KPX16750.0	2	Spring washer
60	KRX21110.0	3	Bearing spring (spreader bar rotation pivot) (not illustrated) See standard spreader bar section
61	KPX16920.0	2	Spacer
62	MX01460.20	2	Cap
63	KPX16460.0	1	Drive Shaft
64	KPX16310.0	2	Screw - cap head M6 x 16mm long
65	BX14070.0	1	5mm diameter x 25mm long
66	KPX16740.24	1	Seal - pivot covers
67	KPX16790.0	1	Sleeve
68	KPX20310.20	2	End Plug
69	EX42960.0	2	Washer
70	MX01080.0	1	Cover disc
71	KRX27470.0	2	Set Screw - socket M4 x 5mm long
72	Reference only	1	Screw - cap head M2 x 10mm long
73	KPX15760.0	2	Guide block
74	MX04530.0	4	Screw - cap head M6 x 25mm long

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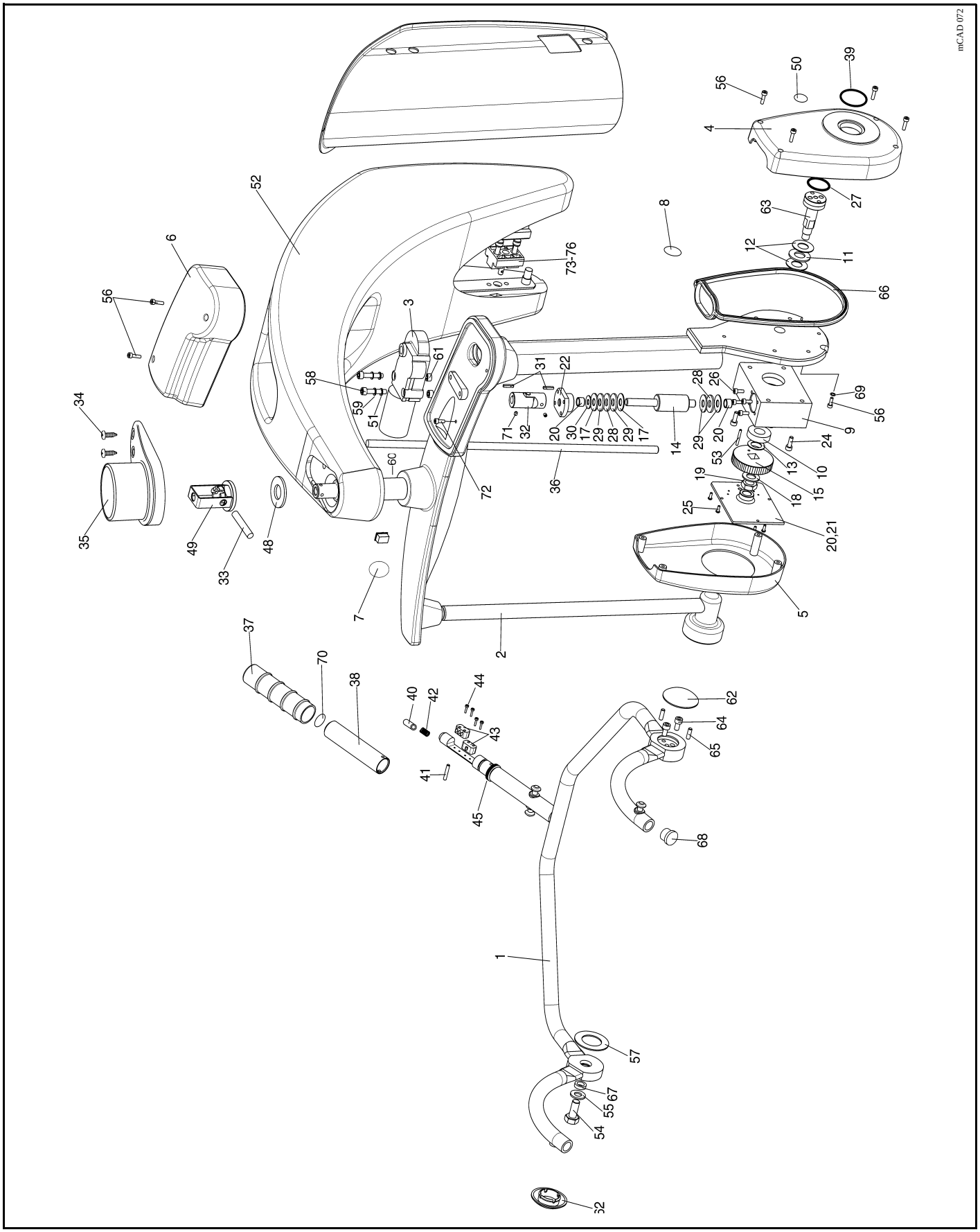
E - P.P.P. Jib



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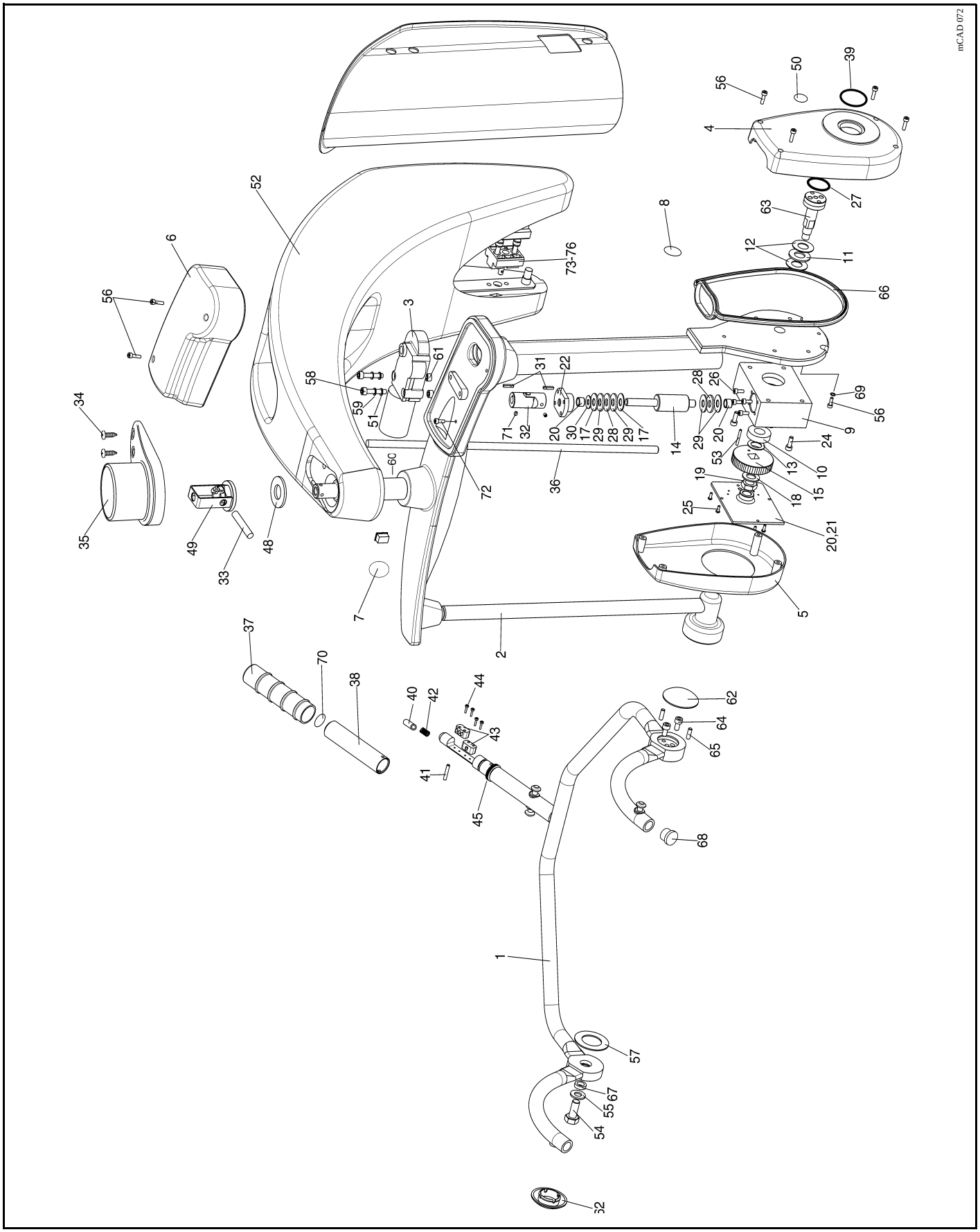
E - P.P.P. Jib

Note: Always quote Serial number of lifter, and specify Quantity, Part Number, description and colour (if applicable) when ordering spares.
Note: ** in listed part number refers to country code
Note: .XX in listed part number refers to colour code suffix
Key to colour suffix:. 04 - White, .06 - Beige, .11 - Lilac, .16 - Sapphire blue, .20 - Grey, .21 - Dark Green, .23 - Yellow, .25 - bright Green

Item	Part Number	Qty	Description
75	KPX15770.0	2	Plunger
76	KPX15790.0	2	Spring
77	KPX02130.0	1	Bus bar strip - right hand rear (not illustrated)
78	KPX02120.0	1	Strip carrier - right hand rear (not illustrated)
79	KPX02100.0	1	Bus bar strip - left hand rear (not illustrated)
80	KPX02090.0	1	Strip carrier - left hand rear (not illustrated)
81	KPX01060.0	2	Bus bar strip - right hand and left hand side (not illustrated)
82	KPX01050.0	2	Strip carrier - right hand and left hand side (not illustrated)
	KPS 1024.....		Spares package - Gearbox (wearing parts) Comprising items 10, 13, 14, 15, 17x2, 20x3, 65
	KPS 1025.....		Spares package - Drive shaft and coupling Comprising items 31x2, 32, 36, 71x2
	KPS 1026.....		Spares package - Gearbox complete Comprising items 9, 10, 13, 14, 15, 17x2, 20x3, 22, 24x4, 26x4, 65
	KPS 1027.....		Spares package - Friction washer Comprising items 33, 48
	KPS 1028.....		Spares package - Pivot Comprising items 54, 55, 57, 67
	KPS 1029.....		Spares package - Handle Comprising items 37, 38, 40, 41, 42, 45, 70
	KPS 1030.....		Spares package - Microswitch Comprising items 37, 41, 43x2, 44x4, 45

E - P.P.P. Jib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F - Opera Plus P.P.P. Jib

Note: Always quote Serial number of lifter, and specify Quantity, Part Number, description and colour (if applicable) when ordering spares.
Note: ** in listed part number refers to country code
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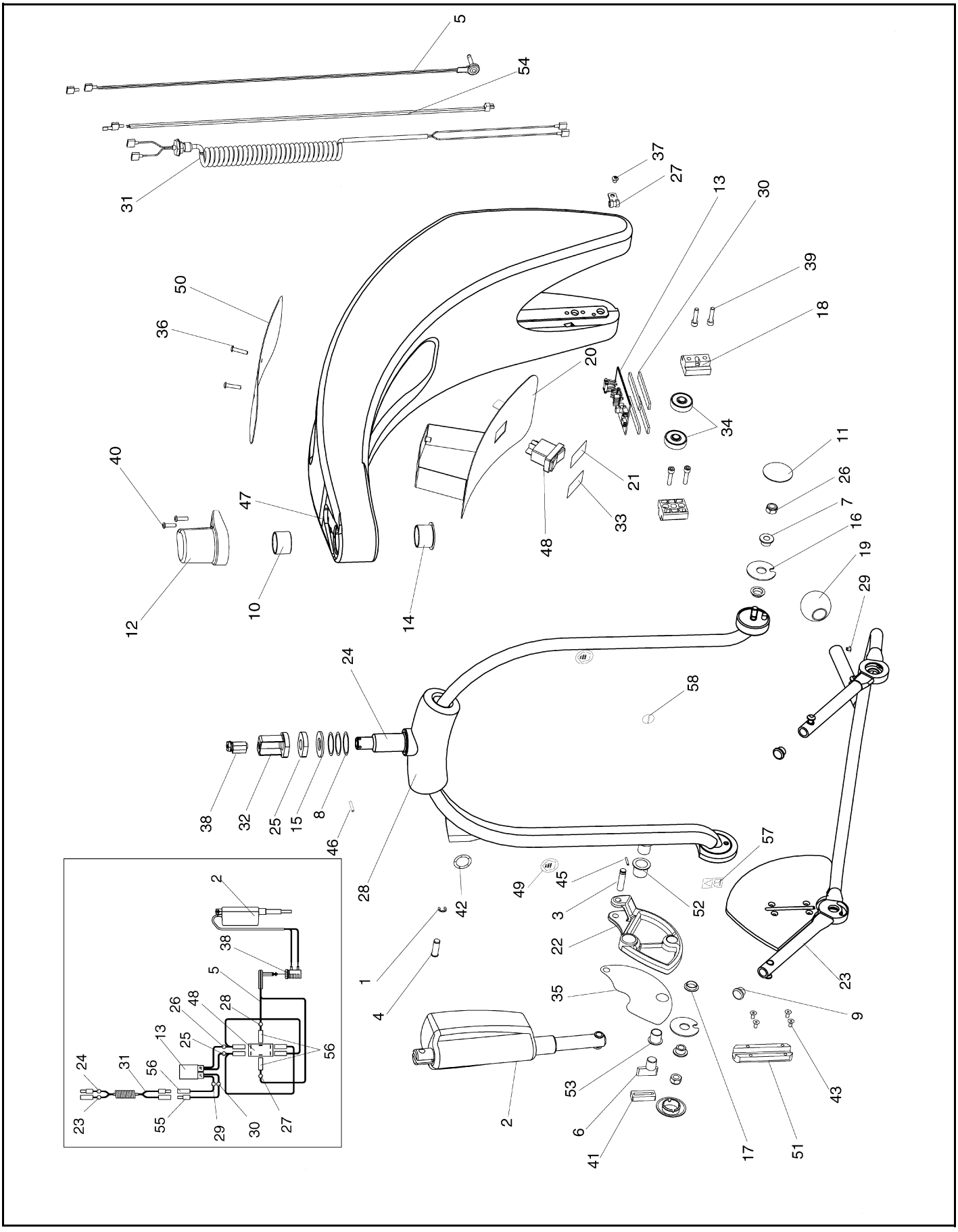
Key to colour suffix:. 04 - White, .06 - Beige, .11 - Lilac, .16 - Sapphire blue, .20 - Grey, .21 - Dark Green, .23 - Yellow, .25 - bright Green

Item	Part Number	Qty	Description
1	KPX67210-00	1	'E' Clip
2	KPX67140-00	1	Actuator
3	KPX67150-00	1	Actuator Pin
4	KPX67200-00	1	Actuator Pin
5	KPX80903-00	1	Audio Loom Assy
6	KPX67070-00	1	Axle Slider Insert
7	KPX67500-00	2	Bearing Sleeve
8	KRX21110-00	3	Bearing Spring
9	KPX20310-XX	2	Bung
10	KMX00370-00	1	Bush
11	MX01460-XX	2	Cap
12	KPX16250-00	1	Cover
13	KPX67390-00	1	PPP Over Current
14	KMX00360-00	1	Flanged Bush
15	KMX00310-00	1	Friction Washer
16	KPX67640-00	2	Friction Washer
17	KPX67540-00	2	Glacier Bush
18	KPX15760-00	2	Guide Block
19	KPX67120-XX	1	Handgrip Knob
20	KPX80739-XX	1	Jib Switch Plate
21	KPX50630-00	1	Label Switch Direction
22	KPX67040-XX	1	Lever
23	KPX67510-XX	1	Lift Frame Assembly
24	KPX67110-XX	1	Lift Support Assembly
25	KPX80582-00	1	Lock Nut
26	AX01201-00	2	M10 Nyloc Nut
27	KPX67440-00	1	P Clip
28	KPX20690-00	1	Padded Cover
29	KMX01080-00	1	Plug
30	KPX01190-00	4	Self Adhesive Pad
31	KPX80868-00	1	PPP Curley Cable
32	KPX80554-00	1	PPP Locknut
33	KPX50640-00	1	Label Switch Direction
34	KPX00340-00	4	Roller Carriage
35	KPX67420-00	1	Rubbing Strip
36	KPX81418-00	2	Screw Socket Button
37	KX50850-00	1	Screw Socket Button Head M6 X 6
38	KPX67800-00	1	Screw Terminal

F - Opera Plus P.P.P. Jib



F - Opera Plus P.P.P. Jib

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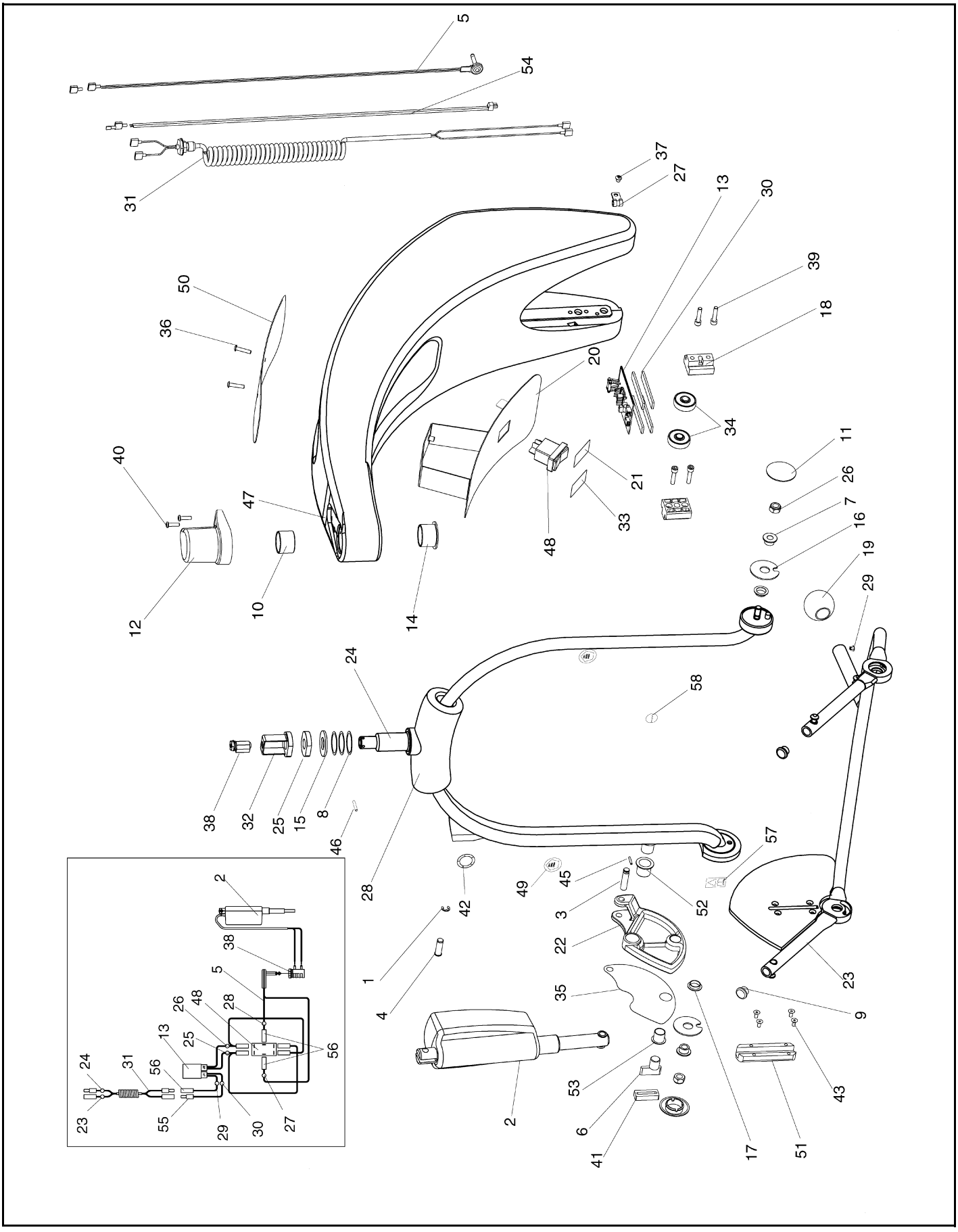
Item	Part Number	Qty	Description
39	MX04530-00	4	Screw, Socket Cap Head M6 X 25Lg
40	KX50650-00	2	Self Tapping Screw
41	KPX67170-00	1	Slider
42	LBX02460-00	1	Sling Size Chart Label
43	LBX05750-00	4	Socket Csk Screw
45	BX07930-00	1	Spirol Pin Dia 3X18Lg Hdk
46	CX15360-00	1	Spirol Pin Dia 4 X 24 Hck
47	KPX15040-XX	1	Standard Jib Foamed Cache Blue
48	KPX67310-00	1	Cable Assy No 7
49	KPX20610-00	2	SWL Label 200Kg
50	KPX80744-XX	1	Top Plate
51	KPX67270-XX	1	Track
52	KKX55590-00	1	Bush
53	LBX03080-00	1	Flanged Bush
54	KPX80899-00	1	Cable Assy No 1
55	KRX27490-00	1	6.3mm Male Spade
56	HX33650-00	3	6.3mm Female Spade
57	KPX67480-00	1	Warning Label
58	LBX05550-00	1	Wet Environment Label

F - Opera Plus P.P.P. Jib

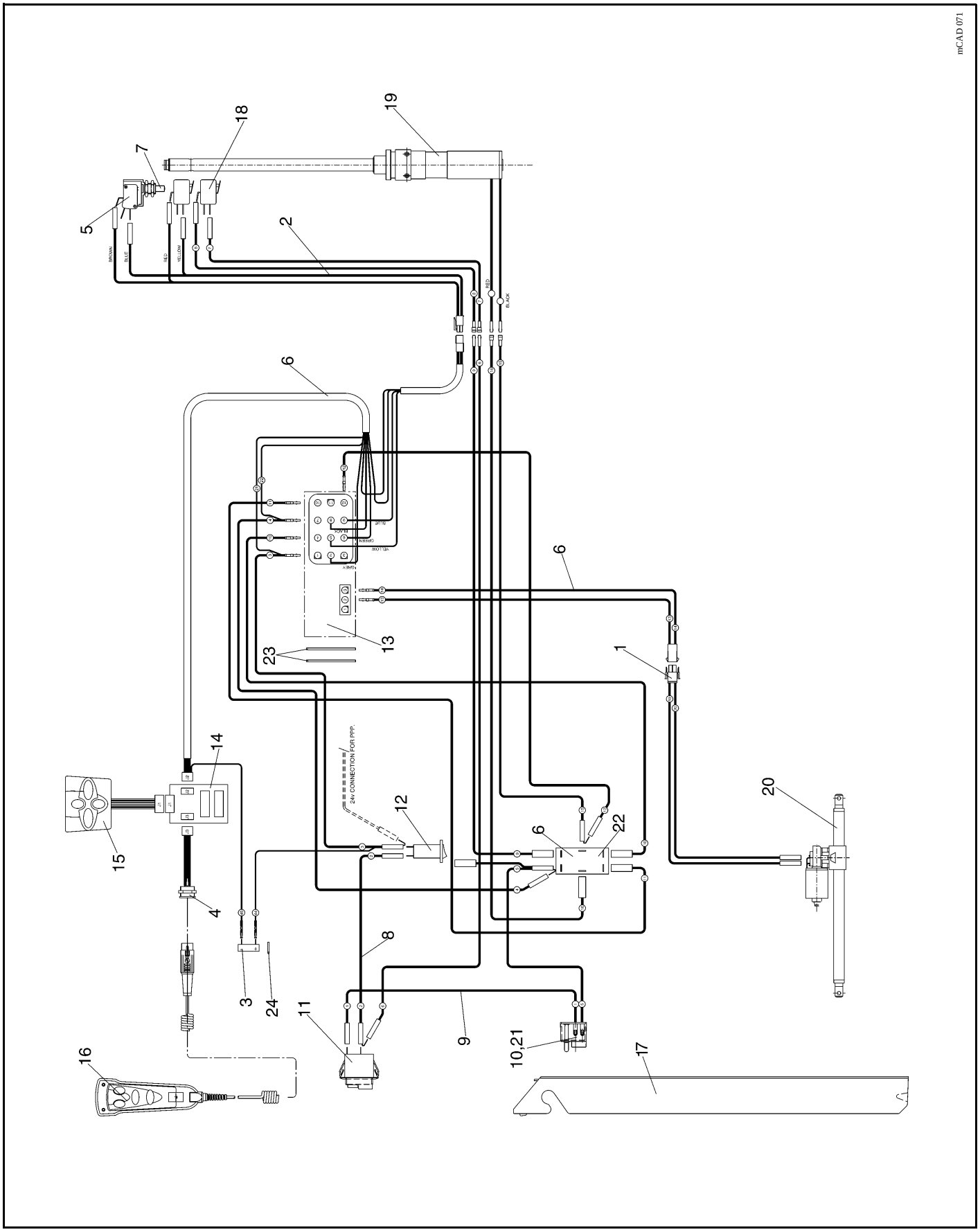


G - Electrics (standard and scale jib lifters)

Note: Always quote Serial number of lifter, and specify Quantity, Part Number, description and colour (if applicable) when ordering spares.
Note: ** in listed part number refers to country code
Note: .XX in listed part number refers to colour code suffix
Key to colour suffix:. 04 - White, .06 - Beige, .11 - Lilac, .16 - Sapphire blue, .20 - Grey, .21 - Dark Green, .23 - Yellow, .25 - bright Green

Item	Part Number	Qty	Description
1	KPX10460.0	1	Cable Assembly No 1
2	KPX01000.0	1	Cable Assembly No 2
3	KPX01620.0	1	Piezo Buzzer
4	KPX01020.0	1	Cable Assembly No 4
5	KRX00430.0	1	Microswitch -Also requires KPX01550.0 plunger item7
6	KPX01090.0	1	Cable Assembly No 6 (includes item 22)
7	KPX01550.0	1	Plunger
8	KPX00660.0	1	Wire No 2
9	KPX00650.0	1	Wire No 1
10	KPX01670.20	1	Battery Terminal Moulding (plastic part)
11	KKX10730.0	1	Stop/Start Switch
12	KX57110.0	1	Thermal Circuit Breaker 15amp
13	KPX00030.0	1	PCB - Motor Control
14	KPX00370.0	1	Hours and Battery Condition Indicator
15	KPX00610.0	1	Switch Panel Membrane
16	KPX00510.0	1	Control Handset
17	KPA0100	1	Battery 24V 5Ah
18	KRX00640.0	2	Microswitch - Lever
19	KPX00050.0	1	Actuator - Mast Lift
20	KPS1013	1	Actuator - Chassis (Spares Kit,includes pins & clips)
21	HX33500.0	2	Terminal - Male (see also KPS1031)
22	KX57210.0	1	System failure lower override switch.
23	KPX01190.0	2	Self adhesive pad (PCB - motor control)
24	KKX52900.0	1	Self adhesive pad (Piezo buzzer)
	KPS 1031.....		Spares package - Battery terminal Comprising items 10, 21x2
	KPS 1035.....		Spares package - Buzzer Comprising items 3, 24
	KPS 1039.....		Spares package - PCB - motor control Comprising items 13, 23x2

G - Electrics (standard and scale jib lifters)



H - Electrics (P.P.P. Jib)

Note: Always quote Serial number of lifter, and specify Quantity, Part Number, description and colour (if applicable) when ordering spares.
Note: ** in listed part number refers to country code
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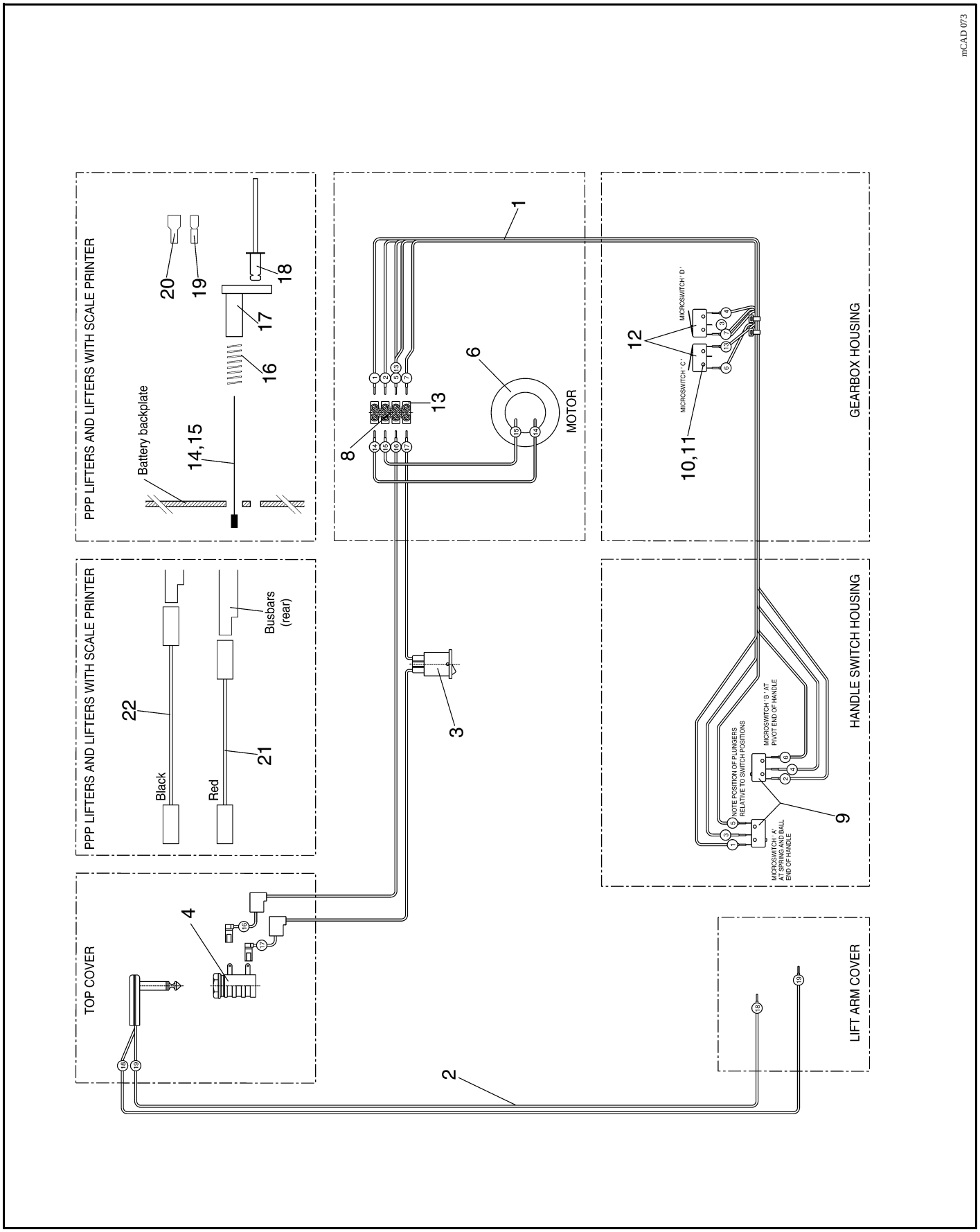
Item	Part Number	Qty	Description
1	KPX16830.0	1	Main wiring loom
2	KPX16270.0	1	Audio plug loom
3	KRX27520.0	1	Rocker switch
4	KPX16820.0	1	Audio housing loom
5	KTX01120.0	4	Cable clip (not illustrated)
6	KPX16030.0	1	Motor
7	AX15960.0	4	Cable tie (not illustrated)
8	KRX27760.0	1	Screw - cap head M3 x 10mm long
9	KRX27750.0	2	Microswitch - V4
10	KTX03090.0	4	Screw - pan head M2 x 12mm long
11	KTX03100.0	4	Nut M2
12	KRX27320.0	2	Microswitch
13	KRX27600.0	1	Terminal block
14	KPX00970.0	1	Wire (Red)
15	KPX00980.0	1	Wire (Black)
16	KPX00960.0	2	Spring
17	KPX00940.20	2	Mast pick-up
18	KPX00560.0	2	Rivet 4.8 x 10mm
19	KPX27490.0	1	Terminal (male) - on black wire
20	HX33650.0	1	Terminal (female) - on red wire
21	KPX01070.0	1	Wire assembly (red - positive)
22	KPX01080.0	1	Wire assembly (black - negative)
23	KTX01120.0	2	Self adhesive cable clip (not illustrated)
	KPS 1040.....		Spares package - Mast pick up (red wire - positive) Comprising items 14, 16, 17, 18, 20
	KPS 1041.....		Spares package - Mast pick up (black wire - negative) Comprising items 15, 16, 17, 18, 19

H - Electrics (P.P.P. Jib)



I - Stretcher Support Frame & 2 Point Spreader Bar

Note: Always quote Serial number of lifter, and specify Quantity, Part Number, description and colour (if applicable) when ordering spares.
Note: ** in listed part number refers to country code
Note: .XX in listed part number refers to colour code suffix
Key to colour suffix:. 04 - White, .06 - Beige, .11 - Lilac, .16 - Sapphire blue, .20 - Grey, .21 - Dark Green, .23 - Yellow, .25 - bright Green

STRETCHER SUPPORT FRAME - KPA3060-XX

Item	Part Number	Qty	Description
2	KPX20420.20	1	Locking Clip
3	KPX20430.0	1	Leaf Spring
4	AX25140.0	1	Screw - Socket Button Head M6 x 16mm long
5	KRX01560.0	1	Label - SWL 160kg
6	KPX02210.0	1	Label - Arrow
7	LBX05550.0	1	Label - Wet Environment Product
8	AX01160.0	1	Label - CE
9	KMX00260.0	4	Label - Suspension Point
10	Reference only		Label - Barcode (not a spare)
	KPS 1020.....		Spares package - Locking clip Comprising items 2, 3, 4
	KPS 1044.....		Spares package - Labels (stretcher support frame) Comprising items 5, 6, 7, 8, 9x4

2PT SPREADER BAR - KPA3010-XX

Item	Part Number	Qty	Description
2	KPX20420.20	1	Locking Clip
3	KPX20430.0	1	Leaf Spring
4	AX25140.0	1	Screw - Socket Button Head M6 x 16mm long
5	KPX20610.0	1	Label - SWL 200kg
6	KPX02210.0	1	Label - Arrow
7	Reference only		Label - Barcode (not a spare)
8	AX01160.0	1	Label - CE
	KPS 1020.....		Spares package - Locking clip Comprising items 2, 3, 4
	KPS 1045.....		Spares package - Labels (2 point spreader bar) Comprising items 5, 6, 8

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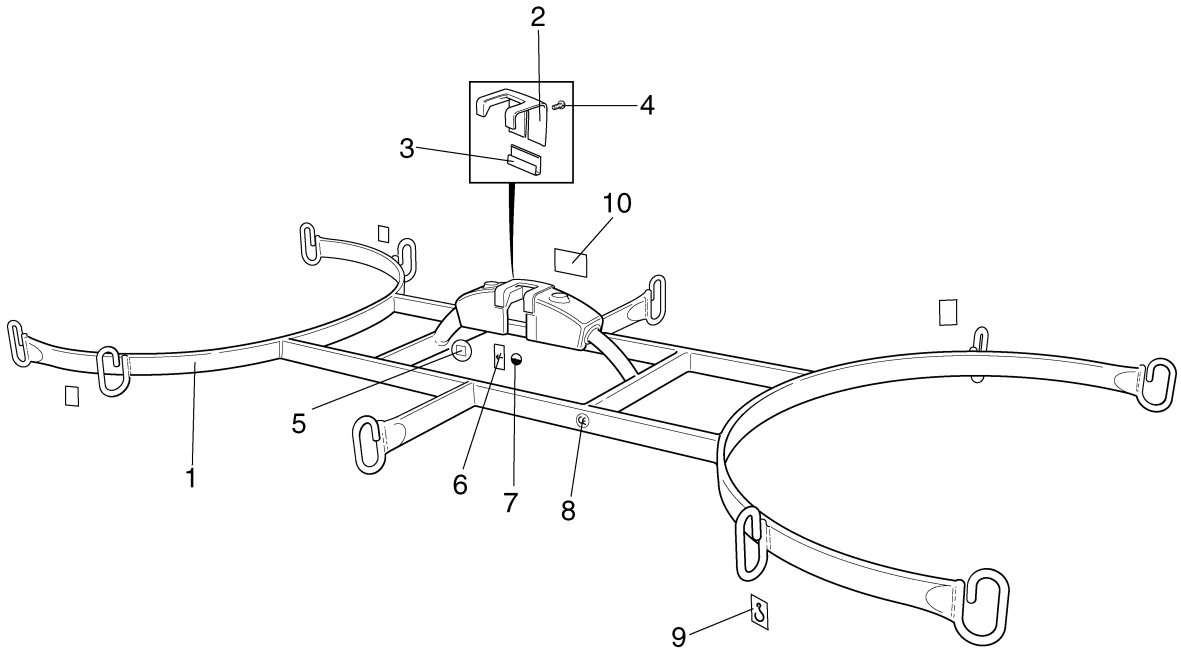
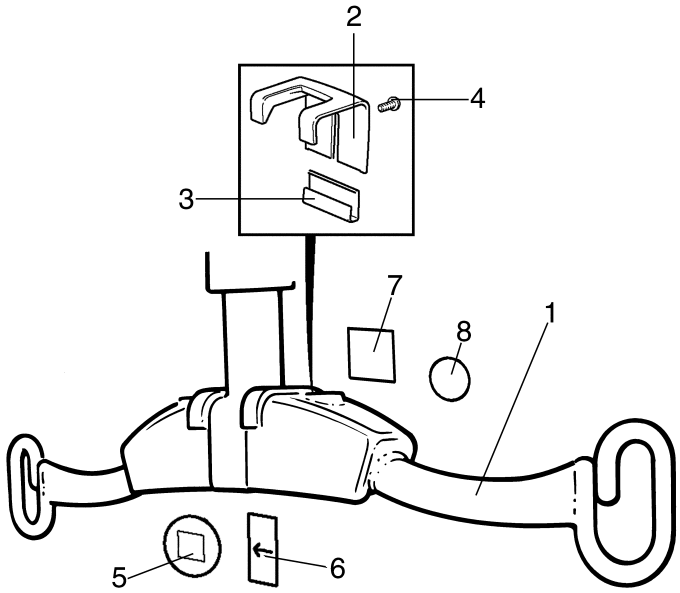
I - Stretcher Support Frame & 2 Point Spreader Bar

mP1452, mP1391b





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